

Yerkes Observatory refractor (40" lens at the same scale)
Williams Bay, Wisconsin, USA (1893)

Great Paris Exhibition Telescope
(49" lens at the same scale)
Paris, France (1900)

Hooker Telescope (100")
Mt Wilson, California, USA (1917)

Hale Telescope (200")
Mt Palomar, California, USA (1948)

(1979–1998) (1999–)
Multiple Mirror Telescope
Mount Hopkins, Arizona, USA

BTA-6 (Large Altazimuth Telescope)
Zelenchuksky, Russia (1975)

Gaia
Earth–Sun L2point (2014)

James Webb Space Telescope
Earth–Sun L2point (2022)

Large Sky Area Multi-Object Fiber Spectroscopic Telescope (LAMOST)
Hebei, China (2009)

Hobby–Eberly Telescope
Davis Mountains, Texas, USA (1996)

Large Binocular Telescope
Mount Graham, Arizona, USA (2005)

Large Zenith Telescope
British Columbia, Canada (2003)

Kepler
Earth-trailing solar orbit (2009)

Hubble Space Telescope
Low Earth orbit (1990)

Gran Telescopio Canarias
La Palma, Canary Islands, Spain (2007)

Southern African Large Telescope
Sutherland, South Africa (2005)

Very Large Telescope
Cerro Paranal, Chile (1998, 1999, 2000, 2000)

Magellan Telescopes
Las Campanas, Chile (2000, 2002)

Keck telescopes
Mauna Kea, Hawaii, USA (1993, 1996)

Gemini North
Mauna Kea, Hawaii, USA (1999)

Gemini South
Cerro Pachón, Chile (2000)

Vera C. Rubin Observatory
Cerro Pachón, Chile (planned 2025)

Giant Magellan Telescope
Las Campanas, Chile (planned 2030s)

Subaru Telescope
Mauna Kea, Hawaii, USA (1999)

Thirty Meter Telescope
Mauna Kea, Hawaii, USA (planned)

Extremely Large Telescope
Cerro Armazones, Chile (planned 2028)

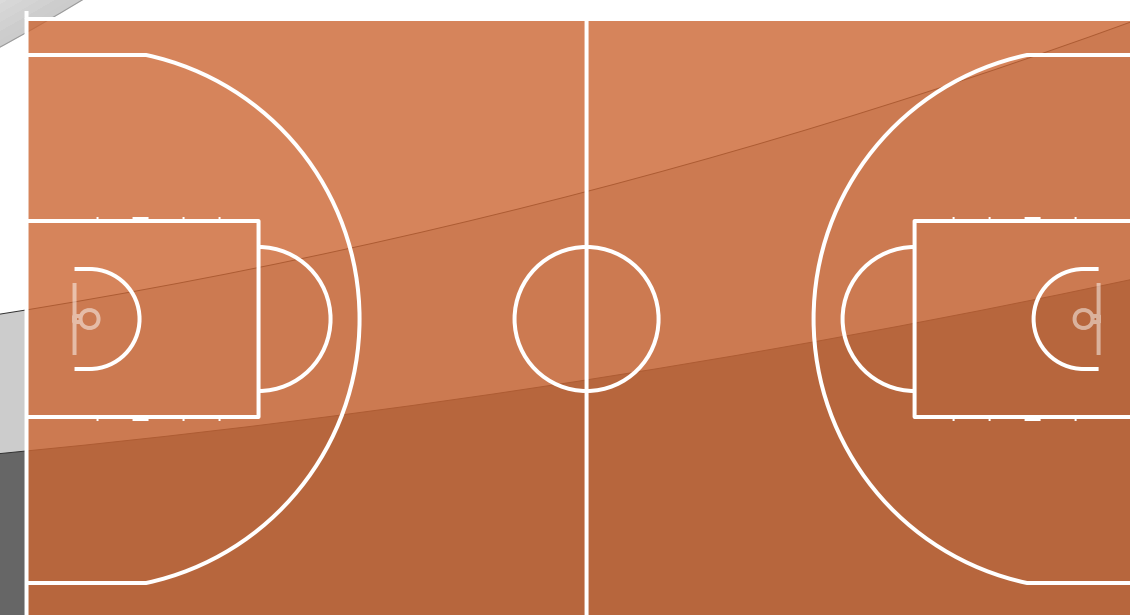
Overwhelmingly Large Telescope (cancelled)

Arecibo 305-m radio telescope (1963–2020) at the same scale

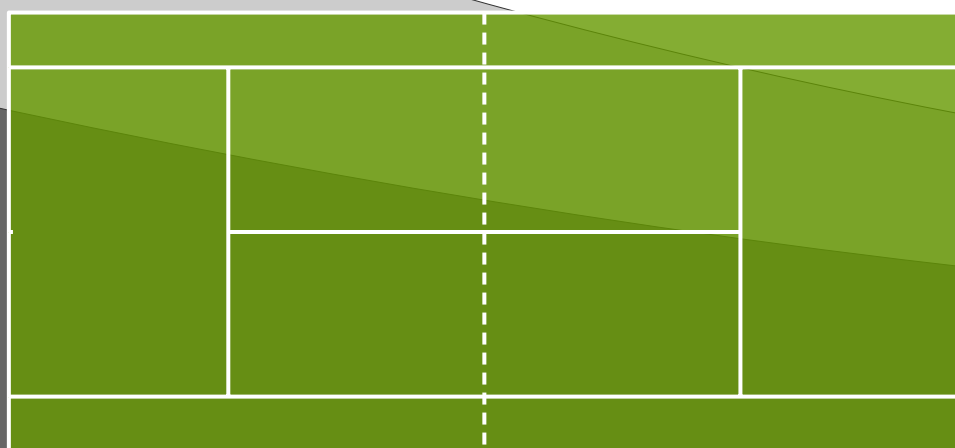
FAST (Five-hundred-meter Aperture Spherical [radio] Telescope) at the same scale

Human at the same scale

0 5 10 m
0 10 20 30 ft



Basketball court at the same scale



Tennis court at the same scale